IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Roberto Di Santo et al.
Application No.: To be assigned
Filed: Herewith
Confirmation No.: To be assigned
For: QUINOLIN-4-ONES AS INHIBITORS OF RETROVIRAL INTEGRASE FOR THE TREATMENT OF HIV, AIDS AND AIDS RELATED COMPLEX (ARC)
Examiner: To be assigned
Art Unit: To be assigned
Attorney Reference No.: 4239-64846-04

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as Express Mail Label No. EV668294658US in an envelope addressed to: MAIL STOP PCT, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney or Agent for Applicant(s) Wayne R. Rupert

Date Mailed September 1, 2006

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INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 C.F.R. § 1.97(b)(2)

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language and/or non-English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Applicants filed this Information Disclosure Statement ("IDS") within three months of the date of entry of the national stage as set forth in § 1.491 in an international application. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of this IDS is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		
	Attorney Docket Number	4239-64846-04
	Application Number	To be assigned 10/591679
	Filing Date	Herewith
	First Named Inventor	Roberto DiSanto
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	Examiner Name	To be assigned

U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		4,386,092	31 May 1983	Oe et al.
		5,217,972	08 June 1993	Grohe et al.
		5,519,016	21 May 1996	Kimura et al.

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
		Europe	EP 0 8780194 A1	18 Nov 1998	Sankyo Company Limited
		WIPO/PCT	WO 99/50245	07 Oct 1999	Shionogi & Co., Ltd.
		WIPO/PCT	WO 99/62513	09 Dec 1999	Merck & Co., Inc., Tularik, Inc.
		WIPO/PCT	WO 99/62520	09 Dec 1999	Merck & Co., Inc., Tularik, Inc.
		WIPO/PCT	WO 99/62897	09 Dec 1999	Merck & Co., Inc.
		WIPO/PCT	WO 00/06529	10 Feb 2000	Instituto di Ricerche di Biologia Molecolare P Angeletti S.P.A.
		WIPO/PCT	WO 01/00578 A1	04 Jan 2001	Merck & Co., Inc., Tularik, Inc.
		WIPO/PCT	WO 01/98248 A2	27 Dec 2001	Bristol-Myers Squibb Company

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Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee

EXAMINER SIGNATURE:	DATE CONSIDERED:

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		WIPO/PCT	WO 03/049695 A2	19 June 2003	The Government of the United States of America as represented by the Secretary, Department of Health and Human Services
		WIPO/PCT	WO 2004/046115 A1	03 June 2004	Japan Tobacco Inc.

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
		Baba et al., "Potent and Selective Inhibition of Human Immunodeficiency Virus Type 1 Transcription by Piperazinyloxoquinoline Derivatives," *Antimicrobrial Agents and Chemotherapy* 41(6):1250-1255, 1997
		Baba et al., "Inhibition of Human Immunodeficiency Virus Type 1 Replication and Cytokine Production by Fluoroquinoline Derivatives," *Molecular Pharmacology* 53:1097-1103, 1998
		De Clerq, "New developments in anti-HIV chemotherapy," *Pure Appl. Chem* 73(1):55-66, 2001
		Espeseth et al., "HIV-1 integrase inhibitors that compete with the target DNA substrate define a unique strand stransfer conformation for integrase," *PNAS* 97(21):11244-11249, 2000
		Goldgur et al., "Structure of the HIV-1 integrase catalytic domain complexed with an inhibitor: A platform for antiviral drug design," *PNAS* 96(23):13040-13043, 1999
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		Hazuda et al., "Inhibitors of Strand Transfer that Prevent Integration and Inhibit HIV-1 Replication in Cells," *Science* 287:646-650, 2000
		Marchand et al., "Structural Determinants for HIV-1 Integrase Inhibition by β-Diketo Acids," *The Journal of Biological Chemistry* 277(15):12596-12603, 2002

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		Okamoto et al., "Inhibition of Human Immunodeficiency Virus Type 1 Replication by Combination of Transcription Inhibitor K-12 and Other Antiretroviral Agents in Acutely and Chronically Infected Cells," *Antimicrobial Agents and Chemotherapy* 43(3):492-497, 1999	
		Okamoto et al., "Inhibition of the RNA-Dependent Transactivation and Replication of Human Immunodeficiency Virus Type 1 by a Fluoroquinoline Derivative K-37," *Virology* 272:402-408, 2000	
		Pais et al., "Structure Activity of 3-Aryl-1,3-diketo-Containing Compounds as HIV-1 Integrase Inhibitors," *J. Med Chem.* 45:3184-3194, 2002	
		Wai et al., "4-Aryl-2,4-dioxobutanoic Acid Inhibitors of HIV-1 Integrase and Viral Replication in Cells," *Journal of Medical Chemistry* 43(26):4923-4926, 2000	
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